

Annotation Notes for Slizam

Gene	Start	Stop	Direction	GAP	Start Site	Call Function	Call Function Evidence	Phages DB Function	NCBI Function
1	41	379	FORWARD		Glimmer Start:41 Glimmer Score:10.5 GeneMark Start:41	hypothetical protein	Blasted on NCBI and phagesDB Z score 2.073	unknown	hypothetical protein
2	361	1110	FORWARD		Glimmer Start:361 Glimmer Score:13.09 GeneMark Start:361	hypothetical protein	Blasted on NCBI and phagesDB Z score 1.737	unknown	hypothetical protein
3	1113	2573	FORWARD		Glimmer Start:1113 Glimmer Score:12.79 GeneMark Start:1113	terminase	Blasted on NCBI and phagesDB Z score 2.159	terminase	terminase
4	2698	3825	FORWARD		Glimmer Start:2698 Glimmer Score:13.76 GeneMark Start:2803	portal protein	Blasted on NCBI and phagesDB Z score 1.991	portal protein	portal protein
5	3822	5408	FORWARD		Glimmer Start:3822 Glimmer Score:15.51 GeneMark Start:3822	major capsid and protease fusion protein	Blasted on NCBI and phagesDB Z score 3.113	major capsid and protease	major head protein
6	5412	5762	FORWARD		Glimmer Start:5412 Glimmer Score:15.69 GeneMark Start:5412	head-tail- adaptor	Blasted on NCBI and phagesDB Z score 2.689	head-tail- adaptor	head-tail connector protein
7	5759	6139	FORWARD		Glimmer Start:5759 Glimmer Score:17.59 GeneMark Start:5759	tail terminator	Blasted on NCBI and phagesDB Z score 1.535	tail terminator	minor tail protein
8	6178	6615	FORWARD		Glimmer Start:6178 Glimmer Score:19.56 GeneMark Start:6178	major tail protein	Blasted on NCBI and phagesDB Z score 1.998	major tail protein	major tail protein
9	6628	7011	FORWARD		Glimmer Start:6628 Glimmer Score:11.61 GeneMark Start:6628	hypothetical protein	Blasted on NCBI and phagesDB Z score 2.268	unknown	hypothetical protein
10	7025	7345	FORWARD		Glimmer Start:7025 Glimmer Score:19.3 GeneMark Start:7025	tail assembly chaperone	Blasted on NCBI and phagesDB Z score 2.502	tail assembly chaperone	tail assembly chaperone
11	7579	9684	FORWARD		Glimmer Start:7579 Glimmer Score:15.49 GeneMark Start:7579	tape measure protein	Blasted on NCBI and phagesDB Z score 2.772	tape measure protein	tape measure protein
12	9681	10187	FORWARD		Glimmer Start:9681 Glimmer Score:15.62 GeneMark Start:9681	minor tail protein	Blasted on NCBI and phagesDB Z score 2.024	minor tail protein	minor tail protein
13	10187	12244	FORWARD		Glimmer Start:10187 Glimmer Score:16.27 GeneMark Start:10187	minor tail protein	Blasted on NCBI and phagesDB Z score 2.51	minor tail protein	minor tail protein
14	12246	12797	FORWARD		Glimmer Start:12246 Glimmer Score:18.5 GeneMark Start:12246	minor tail protein	Blasted on NCBI and phagesDB Z score 2.508	minor tail protein	minor tail protein
15	12834	13133	FORWARD		Glimmer Start:12834 Glimmer Score:13.84 GeneMark Start:12810	hypothetical protein	Blasted on NCBI and phagesDB Z score 2.66	unknown	hypothetical protein
16	13153	13848	FORWARD		Glimmer Start:13153 Glimmer Score:14.89 GeneMark Start:13153	endolysin	Blasted on NCBI and phagesDB Z score 2.497	endolysin	endolysin
17	13815	14078	FORWARD		Glimmer Start:13815 Glimmer Score:10.47 GeneMark Start:13815	hypothetical protein	Blasted on NCBI and phagesDB Z score 1.605	unknown	membrane protein
18	14075	14299	FORWARD		Glimmer Start:14075 Glimmer Score:12.26 GeneMark Start:14075	holin	Blasted on NCBI and phagesDB Z score 2.86	unknown	holin
19	14367	14576	REVERSE		Glimmer Start:14576 Glimmer Score:10.95 GeneMark Start:14576	Lsr2-like DNA bridging protein	Blasted on NCBI and phagesDB Z score 2.672	Lsr2- like DNA bridging protein	Lsr2- like DNA bridging protein
20	14579	15013	REVERSE		Glimmer Start:15013 Glimmer Score:11.73 GeneMark Start:15013	helix-turn-helix DNA binding protein	Blasted on NCBI and phagesDB Z score 2.237	helix-turn-helix DNA binding protein	DNA binding protein
21	15157	15387	REVERSE		Glimmer Start:15387 Glimmer Score:5.68 GeneMark Start:15387	helix-turn-helix DNA binding protein	Blasted on NCBI and phagesDB Z score 0.918	helix-turn-helix DNA binding protein	transcriptional repressor helix-turn-helix DNA binding protein
22	15909	16292	FORWARD		Glimmer Start:16110 Glimmer Score:6.17 GeneMark Start:16110	hypothetical protein	Blasted on NCBI and phagesDB Z score 1.98	unknown	hypothetical protein
23	16383	16601	FORWARD		Glimmer Start:16383 Glimmer Score:10.6 GeneMark Start:16383	helix-turn-helix DNA binding protein	Blasted on NCBI and phagesDB Z score 1.024	helix-turn-helix DNA binding protein	MerR-like helix-turn-helix DNA binding domain protein
24	16598	16897	FORWARD		Glimmer Start:16598 Glimmer Score:12.42 GeneMark Start:16598	HNH endonuclease	Blasted on NCBI and phagesDB Z score 1.395	HNH endonuclease	HNH endonuclease